

PROJECT DESCRIPTION

I. GENERAL

This project involves the installation of two Hazard Identification Beacons (H.I.B.'s) on US 219 (Garrett Hwy) at Uno's Restaurant in Garrett County.

II. INTERSECTION OPERATION

- The H.I.B.'s are activated by pedestrians pushing the audible pushbuttons at a mid block crossing in front of Uno's Restaurant and Bar.
- A size "6" pole-mounted cabinet shall be installed at this location.
- SHA Signal Shop shall install Polara Control Unit into cabinet.

III. SPECIAL NOTES

- The Contractor shall be responsible for terminating all signal cables, to the appropriate terminals and shall properly label each cable.
- All controller cabinet wiring will be performed by the S.H.A. Signal Shop Contact Mr. Ed Rodenhizer at (410) 787-7652 seventy-two hours in advance of intended work.
- The contractor must notify Mr. Ed Rodenhizer at least 3 weeks in advance of the installation of the R10-4(1)Mod, "Pedestrian sign with Red LED indications", to assure enough time to fabricate the sign. The contractor is to bring the wiring to the sign, the SHA signal shop will make the connections to the Red LED indications.

APS NOTES:

- Pushbuttons are to be located so that they can be activated by a person in a wheelchair reaching less than 18" from a 60"x 60" level landing area with a cross slope of less than or equal to 2%.
- Pushbutton arrows are to be parallel to the crossing for which they are intended.
- APS will function as follows:
TO CROSS GARRETT HIGHWAY
 - When pedestrian locates and presses the pushbutton for an extended time, the pushbutton unit will announce the following message "Yellow Flashing lights activated for Garrett Highway. Watch for traffic. Use Caution"
 - When the WALK phase begins, the pushbutton unit will provide a rapid tick which will last for the duration of the WALK phase.

The contact persons for District #6 and SHA are as follows:

Mr. George Small
Assistant District Engineer - Traffic
Phone: (301) 729-8444

Mr. Daniel Stafford
Assistant District Engineer - Maintenance
Phone: (301) 729-8457

Mr. Dave Felker
Assistant District Engineer - Utility
Phone: (301) 729-8439

Mr. Richard L. Daff, Sr.
Chief, Traffic Operations Division
Phone: (410) 787-7630

Mr. Ed Rodenhizer
Manager, Signal Operations Section
410-787-7652

Mr. Sonny Bailey
Manager, Sign Shop Operations
410-787-7676

The power company representative is:
Mr. Kleth Artice
Potomac Edison
10454 Garrett Hwy
Oakland, Md 21550
Phone: 310-533-3309

EQUIPMENT LIST

A. EQUIPMENT TO BE SUPPLIED BY S.H.A..

| ITEM NO. | DESCRIPTION | QUANTITY |
|----------|--|----------|
| 9037 | Cabinet "6" type - pole mount | 1 EA |
| 9570 | Sheet aluminum signs to consist of: (ground mount) | 64 SF |
| | W11-15 "HIKER / BIKER" sign, (48" X 48") | 4 EA |
| 9571 | Sheet aluminum signs to consist of: (pole mount) | 53 SF |
| | W11-15 "HIKER / BIKER" sign, (48" X 48") pole mounted. | 1 EA |
| | W16-2 "230 FEET" sign, (24"x18") pole mounted. | 1 EA |
| | W11-15 (mod) "HIKER/BIKER" 530 FEET" sign, 96" X 48" mast arm mounted. | 1 EA |
| | Pedestrian education R2000-8 sign (9"x12"). (Note: Sign to read "PUSHBUTTON TO BEFORE CROSSING GARRET HIGHWAY".) | 2 EA |

B. EQUIPMENT TO BE FURNISHED AND INSTALLED BY THE CONTRACTOR

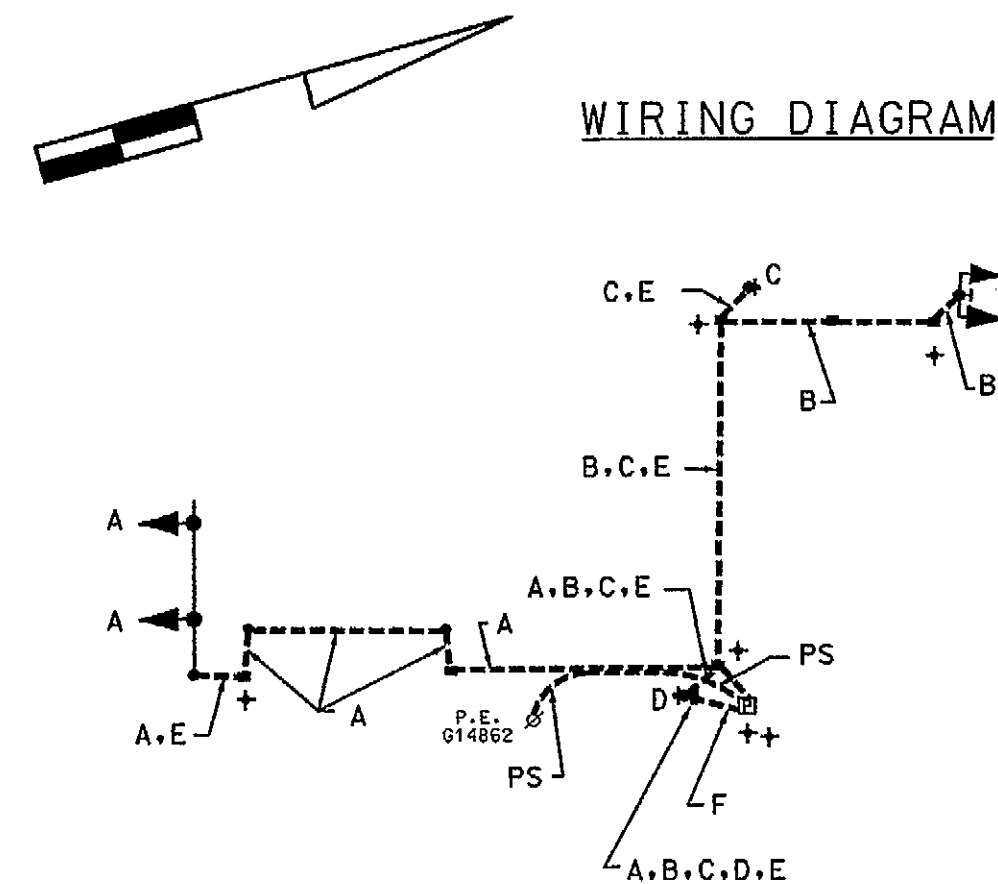
| ITEM NO. | DESCRIPTION | QUANTITY |
|----------|---|----------|
| 1003 | Maintenance of traffic per assignment. | 2 EA |
| 2001 | Class 2 Excavation. | 6 C.Y. |
| 2002 | Test Pit Excavation | 4 C.Y. |
| 6002 | 5" concrete sidewalk. | 10 S.F. |
| 8008 | Breakaway Pedestal pole (5') | 1 EA |
| 8008 | Breakaway Pedestal pole (14') | 1 EA |
| 8008 | Pedestal pole 14' (cut to 6') | 1 EA |
| 8018 | Mast arm pole and 38' (cut to 30') mast arm any "T" dimension | 1 EA |
| 8021 | Remove and dispose of material & equipment per assignment. | 1 EA |
| 8032 | Schedule 80 rigid PVC conduit up to 4" - bored. | 520 L.F. |
| 8034 | Schedule 80 rigid PVC conduit up to 4" - trenched. | 580 L.F. |
| 8035 | Wood sign supports up to 4"x6". | 160 L.F. |
| 8036 | Install overhead or ground mounted sign (including hardware). | 126 S.F. |
| 8038 | No. 6 AWG stranded bare copper ground wire. | 80 L.F. |
| 8041 | Metered service pedestal embedded. | 1 EA |
| 8043 | Electrical cable 1-conductor No. 4 AWG THHN/THWN. | 75 L.F. |
| 8045 | Furnish and install electrical handhole. | 6 EA |
| 8050 | 12" LED signal head section. | 4 EA |
| 8052 | Cut, clean, galvanize and cap traffic signal structure. | 2 EA |

B. EQUIPMENT TO BE FURNISHED AND INSTALLED BY THE CONTRACTOR

| ITEM NO. | DESCRIPTION | QUANTITY |
|----------|---|-----------|
| 8056 | Electrical cable - 5 conductor (No. 14 AWG). | 1075 L.F. |
| 8064 | Install controller and cabinet pole mount. | 1 EA |
| 8072A | Furnish and install electrical manhole. | 2 EA |
| 8073A | Polara Model-X Control Unit. | 1 EA |
| 8074A | Polara Push Button Station with 350' of cable. | 2 EA |

C. EQUIPMENT TO BE REMOVED

There is no equipment to be removed.



WIRING DIAGRAM

WIRING KEY

- A } 5-CONDUCTOR ELECTRICAL
CABLE (NO. 14 A.W.G.)
- C } 8-CONDUCTOR POLARA
D } ELECTRICAL CABLE
- E - STRANDED BARE COPPER GROUND
WIRE (NO. 6 A.W.G.)
- F - 3-1 CONDUCTOR ELECTRICAL
CABLE (NO. 4 A.W.G.)
- PS - PROPOSED UNDERGROUND SERVICE
TO BE INSTALLED BY POTOMAC
EDISON
- + - GROUND ROD

TOD NO: XX424-14
SHA NO: GA398A53/C53
US 219 @ UNO'S



STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION

US 219 (GARRETT HWY) @ UNO'S

DEEP CREEK LAKE, MD

GENERAL INFORMATION SHEET

SCALE NONE DATE 6/14/11 CONTRACT NO. XX4245185

DESIGNED BY R.R.Z. COUNTY GARRETT
DRAWN BY R.C. LOGMILE
CHECKED BY TIMS NO. K647
F.A.P. NO. TOD NO.

TS NO. DRAWING NO. 2 OF 2 SHEET NO. OF



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